



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : G06F 17/30, 17/60</p>	A1	<p>(11) International Publication Number: WO 99/46701</p> <p>(43) International Publication Date: 16 September 1999 (16.09.99)</p>																																						
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px;"> <p>(21) International Application Number: PCT/US99/04489</p> <p>(22) International Filing Date: 1 March 1999 (01.03.99)</p> <p>(30) Priority Data:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">60/077,322</td> <td style="width: 30%;">9 March 1998 (09.03.98)</td> <td style="width: 40%; text-align: right;">US</td> </tr> <tr> <td>60/077,655</td> <td>11 March 1998 (11.03.98)</td> <td style="text-align: right;">US</td> </tr> <tr> <td>09/066,523</td> <td>20 March 1998 (20.03.98)</td> <td style="text-align: right;">US</td> </tr> <tr> <td>09/066,739</td> <td>20 March 1998 (20.03.98)</td> <td style="text-align: right;">US</td> </tr> </table> <p>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Applications</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">US</td> <td style="width: 30%;">60/077,322 (CON)</td> <td style="width: 40%;"></td> </tr> <tr> <td>Filed on</td> <td>9 March 1998 (09.03.98)</td> <td></td> </tr> <tr> <td>US</td> <td>60/077,655 (CON)</td> <td></td> </tr> <tr> <td>Filed on</td> <td>11 March 1998 (11.03.98)</td> <td></td> </tr> <tr> <td>US</td> <td>09/066,523 (CON)</td> <td></td> </tr> <tr> <td>Filed on</td> <td>20 March 1998 (20.03.98)</td> <td></td> </tr> <tr> <td>US</td> <td>09/066,739 (CON)</td> <td></td> </tr> <tr> <td>Filed on</td> <td>20 March 1998 (20.03.98)</td> <td></td> </tr> </table> <p>(71) Applicant (for all designated States except US): AMAZON.COM, INC. [US/US]; Suite 3600, 900 Fourth Avenue, Seattle, WA 98164 (US).</p> </td> <td style="width: 50%; vertical-align: top; padding: 5px;"> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): GUPTA, Ashish [IN/US]; 482 Cuesta Drive, Los Altos, CA 94024 (US). RAJARAMAN, Anand [IN/US]; Apartment 39, 111 N. Rengstorff Avenue, Mountain View, CA 94043 (US).</p> <p>(74) Agents: DURDIK, Paul, A. et al.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).</p> <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p style="text-align: center;">Published <i>With international search report.</i></p> </td> </tr> </table>			<p>(21) International Application Number: PCT/US99/04489</p> <p>(22) International Filing Date: 1 March 1999 (01.03.99)</p> <p>(30) Priority Data:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">60/077,322</td> <td style="width: 30%;">9 March 1998 (09.03.98)</td> <td style="width: 40%; text-align: right;">US</td> </tr> <tr> <td>60/077,655</td> <td>11 March 1998 (11.03.98)</td> <td style="text-align: right;">US</td> </tr> <tr> <td>09/066,523</td> <td>20 March 1998 (20.03.98)</td> <td style="text-align: right;">US</td> </tr> <tr> <td>09/066,739</td> <td>20 March 1998 (20.03.98)</td> <td style="text-align: right;">US</td> </tr> </table> <p>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Applications</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">US</td> <td style="width: 30%;">60/077,322 (CON)</td> <td style="width: 40%;"></td> </tr> <tr> <td>Filed on</td> <td>9 March 1998 (09.03.98)</td> <td></td> </tr> <tr> <td>US</td> <td>60/077,655 (CON)</td> <td></td> </tr> <tr> <td>Filed on</td> <td>11 March 1998 (11.03.98)</td> <td></td> </tr> <tr> <td>US</td> <td>09/066,523 (CON)</td> <td></td> </tr> <tr> <td>Filed on</td> <td>20 March 1998 (20.03.98)</td> <td></td> </tr> <tr> <td>US</td> <td>09/066,739 (CON)</td> <td></td> </tr> <tr> <td>Filed on</td> <td>20 March 1998 (20.03.98)</td> <td></td> </tr> </table> <p>(71) Applicant (for all designated States except US): AMAZON.COM, INC. [US/US]; Suite 3600, 900 Fourth Avenue, Seattle, WA 98164 (US).</p>	60/077,322	9 March 1998 (09.03.98)	US	60/077,655	11 March 1998 (11.03.98)	US	09/066,523	20 March 1998 (20.03.98)	US	09/066,739	20 March 1998 (20.03.98)	US	US	60/077,322 (CON)		Filed on	9 March 1998 (09.03.98)		US	60/077,655 (CON)		Filed on	11 March 1998 (11.03.98)		US	09/066,523 (CON)		Filed on	20 March 1998 (20.03.98)		US	09/066,739 (CON)		Filed on	20 March 1998 (20.03.98)		<p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): GUPTA, Ashish [IN/US]; 482 Cuesta Drive, Los Altos, CA 94024 (US). RAJARAMAN, Anand [IN/US]; Apartment 39, 111 N. Rengstorff Avenue, Mountain View, CA 94043 (US).</p> <p>(74) Agents: DURDIK, Paul, A. et al.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).</p> <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p style="text-align: center;">Published <i>With international search report.</i></p>
<p>(21) International Application Number: PCT/US99/04489</p> <p>(22) International Filing Date: 1 March 1999 (01.03.99)</p> <p>(30) Priority Data:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">60/077,322</td> <td style="width: 30%;">9 March 1998 (09.03.98)</td> <td style="width: 40%; text-align: right;">US</td> </tr> <tr> <td>60/077,655</td> <td>11 March 1998 (11.03.98)</td> <td style="text-align: right;">US</td> </tr> <tr> <td>09/066,523</td> <td>20 March 1998 (20.03.98)</td> <td style="text-align: right;">US</td> </tr> <tr> <td>09/066,739</td> <td>20 March 1998 (20.03.98)</td> <td style="text-align: right;">US</td> </tr> </table> <p>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Applications</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">US</td> <td style="width: 30%;">60/077,322 (CON)</td> <td style="width: 40%;"></td> </tr> <tr> <td>Filed on</td> <td>9 March 1998 (09.03.98)</td> <td></td> </tr> <tr> <td>US</td> <td>60/077,655 (CON)</td> <td></td> </tr> <tr> <td>Filed on</td> <td>11 March 1998 (11.03.98)</td> <td></td> </tr> <tr> <td>US</td> <td>09/066,523 (CON)</td> <td></td> </tr> <tr> <td>Filed on</td> <td>20 March 1998 (20.03.98)</td> <td></td> </tr> <tr> <td>US</td> <td>09/066,739 (CON)</td> <td></td> </tr> <tr> <td>Filed on</td> <td>20 March 1998 (20.03.98)</td> <td></td> </tr> </table> <p>(71) Applicant (for all designated States except US): AMAZON.COM, INC. [US/US]; Suite 3600, 900 Fourth Avenue, Seattle, WA 98164 (US).</p>	60/077,322	9 March 1998 (09.03.98)	US	60/077,655	11 March 1998 (11.03.98)	US	09/066,523	20 March 1998 (20.03.98)	US	09/066,739	20 March 1998 (20.03.98)	US	US	60/077,322 (CON)		Filed on	9 March 1998 (09.03.98)		US	60/077,655 (CON)		Filed on	11 March 1998 (11.03.98)		US	09/066,523 (CON)		Filed on	20 March 1998 (20.03.98)		US	09/066,739 (CON)		Filed on	20 March 1998 (20.03.98)		<p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): GUPTA, Ashish [IN/US]; 482 Cuesta Drive, Los Altos, CA 94024 (US). RAJARAMAN, Anand [IN/US]; Apartment 39, 111 N. Rengstorff Avenue, Mountain View, CA 94043 (US).</p> <p>(74) Agents: DURDIK, Paul, A. et al.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).</p> <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p style="text-align: center;">Published <i>With international search report.</i></p>			
60/077,322	9 March 1998 (09.03.98)	US																																						
60/077,655	11 March 1998 (11.03.98)	US																																						
09/066,523	20 March 1998 (20.03.98)	US																																						
09/066,739	20 March 1998 (20.03.98)	US																																						
US	60/077,322 (CON)																																							
Filed on	9 March 1998 (09.03.98)																																							
US	60/077,655 (CON)																																							
Filed on	11 March 1998 (11.03.98)																																							
US	09/066,523 (CON)																																							
Filed on	20 March 1998 (20.03.98)																																							
US	09/066,739 (CON)																																							
Filed on	20 March 1998 (20.03.98)																																							

(54) Title: **METHOD AND SYSTEM FOR AUTOMATICALLY FILLING FORMS IN AN INTEGRATED NETWORK BASED TRANSACTION ENVIRONMENT**

(57) Abstract

A method of automatically filling in on-line forms presented by web pages in an internet transactional environment by determining (350) based upon selectable criteria a form identifier corresponding to a particular on-line form, and thereupon, for each form so identified, indentifying (352) one or many corresponding match patterns (354) with which a page containing a target on-line form is parsed (358) to obtain a plurality of attributes, and thereupon, for each attribute obtained in the parsing step, indexing into a database to obtain (360) and then appropriately transform (362) user information which may be used to fill in (364) the target form.

